General Faculty Meeting Minutes

December 4, 2007

125 Civil Engineering Building, 4:00 P.M.

I. Call-to-Order, Chancellor John Carney III called the meeting of the General Faculty to order at 4:00 P.M.

II. Announcements – None

III. Chancellor Carney recognized Professor Ashok Midha for the presentation of the memorial resolution in honor of Archie Culp. It was moved that the memorial resolution be incorporated in the minutes of the faculty meeting with copies forwarded to family members. The motion was approved. (see Attachment A).

IV. Chancellor called for approval of the minutes of the September 4, 2007 and October 22, 2007 meetings. The minutes were approved as circulated.

V. Outstanding Teaching Awards, 2006-07

Provost Warren K Wray announced the Outstanding Teaching Awards for 2006-07. They are as followed:

Dr. Diana Ahmad, Associate Professor of History and Political Science and UMR Archivist
Col. Tom Akers, Instructor of Mathematics and Statistics
Dr. Douglas R. Carroll, Professor of Interdisciplinary Engineering
Dr. Minsu Choi, Assistant Professor of Electrical and Computer Engineering
Dr. Petra DeWitt, Lecturer of History and Political Science
Dr. Lokesh R. Dharani, Curators’ Professor of Mechanical and Aerospace Engineering, and Senior Investigator in the Graduate Center for Materials Research
Dr. James Drallmeier, Professor of Mechanical and Aerospace Engineering
Dr. Xiaoping Du, Assistant Professor of Mechanical and Aerospace Engineering
Dr. Kelvin T. Erickson, Professor of Electrical and Computer Engineering
Dr. Stephanie L. Fitch, Instructor/Advisor of Business Administration
Dr. Gary L. Gadbury, Associate Professor of Mathematics and Statistics
Dr. W. Lance Haynes, Professor of Arts, Languages and Philosophy
Dr. Gregory W. Hilmas, Professor of Materials Science and Engineering and Associate Chair of Graduate Programs
Dr. Irina Ivliyeva, Assistant Professor of Arts, Language and Philosophy
Dr. William R. Kehr, Instructor of Business Management
Kelly R. Koob, Lecturer of Mathematics and Statistics
Dr. Kurt L. Kosbar, Associate Professor of Electrical and Computer Engineering
Merilee A. Krueger, Lecturer of Psychology
Dr. Vy Khoi Le, Professor of Mathematics and Statistics
Dr. Jennifer Leopold, Assistant Professor of Computer Science
Dr. Yinka Ma, Professor of Chemistry
Dr. John C. McManus, Associate Professor of History and Political Science
Dr. James H. Martin, Assistant Professor of Psychology
Dr. F. Scott Miller, Associate Teaching Professor of Materials Science and Engineering
Dr. Glenn Morrison, Associate Professor of Civil, Architectural and Environmental Engineering
Dr. Gary E. Mueller, Associate Professor of Nuclear Engineering
Dr. Micheal D. Nelson, Assistant Professor of Psychology
Dr. Hank Pernicka, Associate Professor of Mechanical and Aerospace Engineering
Dr. Timothy A. Philpot, Associate Professor of Interdisciplinary Engineering
VI. Report of Standing or Special Committees

A. RP&A
   1. Results of the election for representative to U-Wide Tenure Committee
      Yingfa Ma
      Bob Dubois (alternative)

VII. New Business

A. Approval of candidates for degrees. It was moved and seconded that the names on the previously circulated list of candidates for degrees on December 15, 2007 be approved, subject to successful completion of any remaining degree requirements. The motion was approved.

B. Approval of Posthumous degrees. It was moved and seconded that a BS degree in Civil Engineering be awarded posthumously to Gavin Donahue and a PhD in Electrical Engineering be awarded posthumously to Brian Blaha at the December 2007 commencement. The motion was approved.

C. Chancellor’s Report

   Chancellor Carney directed members to visit the website of his recent “State of the University” address to the campus.

D. Faculty Senate President’s Report

   Faculty Senate President Blum announced that the Faculty Bylaws were approved by the Board of Curators and are effective November 30, 2007. One of the provisions is the establishment of a Faculty Senate. Some examples of new issues being worked on by the Faculty Senate were mentioned. The Rules, Procedures & Agenda Committee will also address items this year such as the reapportionment of the Faculty Senate and they have made recommendations ensuring that the Tenure Committee membership was consistent with the rules passed by the Academic Council.

VIII. Adjournment – The meeting was adjourned at 4:25 pm.

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Laura Stoll, Secretary
Memorial Resolution
Dr. Archie William Culp, Jr.
(1931-2007)

Dr. Archie Culp was born in St. Joseph, Missouri, on January 20, 1931 to the late Archie Sr. and Johanna (Lutz) Culp. On April 20, 1957, he married DonaFay Miller, and they were blessed with three sons: Craig, Brian and Eric.

Archie earned his Bachelor of Science and Master of Science degrees in Mechanical Engineering from Missouri School of Mines and Metallurgy (MSM) in 1952 and 1954, respectively, and his Ph.D. degree in Mechanical Engineering from the University of Missouri-Columbia in 1970. After completing his MSME degree, he also graduated from the Oak Ridge School of Reactor Technology (ORSORT) in 1955. Before returning to MSM, he served as a Nuclear Engineer for Convair Division of General Dynamics Corporation, and for five years as Director of Nuclear Engineering for Astro, Inc.

He joined the faculty of mechanical engineering at the Missouri School of Mines and Metallurgy as an Assistant Professor in 1961, and was promoted to Associate Professor in 1964, the year MSM became the University of Missouri-Rolla. He was also appointed as Associate Professor of Nuclear Engineering at UMR while conducting the NSF Summer Institute for College Teachers during the summers of 1965, 1966 and 1967. He was promoted to Full Professor in 1983, and served as Associate Chair for Mechanical Engineering during 1984-85. He continued to serve as a consultant to the Oak Ridge National Laboratory and the McDonnell-Douglas Aircraft Corporation.

Between 1961 and 1967, Archie introduced and taught the only courses in nuclear reactor design at this campus in the Mechanical Engineering Department, subsequently transferred to the Nuclear Engineering Department. In 1963, he qualified for one of the first four reactor operator’s licenses issued by the Atomic Energy Commission for the UMR Research Reactor. During this time, he taught 13 different lecture and laboratory courses (and 23 courses during his tenure). In 1967, he was a recipient of one of two Outstanding Teaching Awards in the Department. Archie was recognized by the students and his faculty peers alike in the Department as an outstanding teacher. His loyalty to the profession, unselfish devotion to students, and hard work for his cause were his hallmark traits.

Archie’s unique contributions to the Department have been in the vitally important field of thermal power, having authored several high level reports on the feasibility of nuclear reactor design and associated problems. He conducted numerous short courses in power applications. One of his greatest contributions has been the compilation of data on energy resources and power development. He revised and expanded the course on steam power plants into a contemporary course on energy conversion, required of all mechanical engineering students. This included a comprehensive survey of all areas of energy conversion with special emphasis on fossil-fuel and fission-reactor systems, and served as a technical elective course for non-majors. His notes provided the Department with a uniquely pertinent and up-to-date resource in this important area. When published, the textbook was adopted by many engineering departments; it had broad and interdisciplinary appeal, and was selected as an offering for McGraw-Hill’s Technical Book of the Month Club.

During his tenure at MSM and UMR, Archie served on and chaired numerous academic committees, including the department’s Laboratory Committee, Scholastic Committee, Graduate Committee, and Energy Conversion and Thermal Science Committee, and the university’s Radioisotope and Radiation Safety Committee, Curricula Committee, Admission and Academic Standards Committee, Scholastic Appeals Committee and Graduation Committee. He also served as chair of the School of Engineering Curricula Committee, and UMR Academic Council as a representative from the Department of Mechanical and Aerospace Engineering. He was also an advisor to Blue Key for many years, and to Pi Tau Sigma, the mechanical engineering honor society.

Dr. Ron Fannin, retired Chair of the Interdisciplinary Engineering Department (formerly the Basic Engineering Department), recalls Archie joining that department in 1988, where he remained until his retirement in June 1996. There he taught Statics, and Mechanics of Materials, and occasionally, the freshman engineering orientation classes. He was a demanding and effective teacher, while being fair to the students in every respect. He carried a heavy advising load in the Freshman Engineering Program as well as a heavy teaching load. He was well liked by the students and thoroughly enjoyed interacting with them, insuring their understanding of the important foundational engineering concepts.

Archie’s colleagues had high regard for him. Dr. Gordon Scofield, his UMR colleague and friend, who later served as Professor and Head of the Department of Mechanical Engineering and Engineering Mechanics at Michigan Technological University, and retired as Foundation Vice-President of South Dakota School of Mines, said this of him in 1980: “The quality and effectiveness of his teaching is highly appreciated and endorsed by his current students and alumni. He is truly an outstanding teacher who sets a good example that motivates his colleagues. His characteristics include thorough preparation, well organized classroom presentations, and interaction with students that emphasizes their importance as unique individuals.”
Close friends of Archie remember him fondly. In the words of Richard (Dick) Burdick, his roommate while attending MSM, and founder and chairman of Thermon Industries, Inc., “he was an excellent student who ranked at the top of his class, and kept the midnight oil burning seven days a week. Not only was he a great student, he was a wonderful teacher, husband, father, and above all, friend. Archie and Dick were both honored as Golden Alumni at the 50th anniversary of their graduating class in 2002. Archie passed away on Saturday, March 31, 2007, at the age of 76. He will be missed.

We request that this memorial resolution be incorporated into the official minutes of the UMR General Faculty Meeting of December 4, 2007, and that copies be sent to Professor Archie Culp’s wife and sons.

Ashok Midha, Professor and Chair
Department of Mechanical & Aerospace Engineering

Harry J. Sauer, Jr., Professor
Department of Mechanical & Aerospace Engineering

D. Ronald Fannin, Professor and Chair Emeritus
Department of Interdisciplinary Engineering

Richard Burdick, Founder and Chairman
Thermon Industries, Inc.